

fluorescent protein, and wherein said fluorescent protein is expressed specifically in said organ.

10. (Twice amended) A transgenic see-through medaka produced by further selective mating between the see-through medaka according to claim 3 and a see-through medaka produced by repeated selective mating between iridophore deficient mutant medaka strain gu, albino mutant medaka strain i-3, leucophore deficient mutant medaka strain 1f, and medaka FLF strain which is deficient in leucophores in the female, wherein the transgenic see-through medaka has in its genome a transgene being a fusion of a promoter of a gene which expresses specifically in a specific organ, with a coding region of a gene encoding a fluorescent protein, and wherein said fluorescent protein is expressed specifically in said organ.

23. (Amended) A transgenic see-through medaka produced by repeated selective mating between iridophore deficient mutant medaka strain gu, albino mutant medaka strain i-3 and leucophore deficient mutant medaka strain 1f, wherein the transgenic see-through medaka has in its genome a transgene being a fusion of a promoter of a gene which expresses specifically in a specific organ, with a coding region of a gene encoding a fluorescent protein, and wherein said fluorescent protein is expressed specifically in said organ.

24. (Amended) A transgenic see-through medaka produced by repeated selective mating between iridophore deficient mutant medaka strain gu, albino mutant medaka strain i-3, leucophore deficient mutant medaka strain 1f and medaka FLF strain which is deficient in leucophores in the female, wherein the transgenic see-through medaka has in its genome a transgene being a fusion of a promoter of a gene which